



THE OSPR NEWS

California Office of Spill Prevention and Response

Summer 2005

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Highlights

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Significant spills since May 2004

These were the ten most significant incidents in California since the Suisun Marsh spill in April, 2004.

PILLAR POINT GAS SPILL – 5/25/04

Event: fuel line leak
Product: 1,021 gallons gasoline
***RP:** Pillar Point Harbor fuel dock
Wildlife: mollusks and invertebrates

An under-dock fuel line failure caused a gasoline spill into Pillar Point Harbor (in Half Moon Bay). Due to gasoline's high flammability, county fire officials ordered an evacuation of the harbor area. The harbor was closed to all traffic for five hours. The San Mateo County HazMat Response Team monitored air quality throughout the night. The only wildlife oiled were fixed organisms, such as mollusks and invertebrates, on pilings and sea walls. OSPR responders: Warden John Sutton and Environmental Scientists (ES) Larry Espinosa and Kathleen Jennings.



OSPR photo by Ernie Acosta

OSPR photo by Sean Kelly



SEACLIFF MYSTERY SPILL – 9/11/04

Event: oiled cormorants, no slick
Product: unknown amount of oil
RP: State Dept. of Parks and Recreation
Wildlife: 23 Brandt's cormorants

Oiled cormorants washed ashore at Seacliff State Beach near Aptos, but there was no oil slick or sheen to be found. A long investigation found that the diving birds were getting into oil left within the deteriorating hull of an old cement ship that was intentionally beached there in 1930, as a tourist attraction. An oil removal project is in the planning stages. OSPR responders: Warden John

by Dana Michaels, OSPR Information Officer

Sutton, ES Larry Espinosa, Oil Spill Prevention Specialists (OSPS) Vince Jeffries, Sean Kelly, Roy Mathur; Safety Officer Jeff Westervelt, and others.

KINDER MORGAN/BAKER SPILL – 11/22/04

Event: pipeline leak
Product: gasoline
RP: Kinder Morgan
Wildlife: unknown

A pipeline ruptured in the Mojave Desert near Interstate-15 and the town of Baker (San Bernardino County), creating a gasoline geyser, reportedly 80 feet high. I-15 was shut down until the gas vapors dissipated. The clean-up area covered three acres of desert habitat, but no injured desert tortoises (on both the State and federal Threatened Species lists) were found. Over 7,500 tons of

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Cover photo by Ken Wilson: OSPR field staff search Santa Paula Creek for the source of oil killing seabirds in the Ventura area, last January.

contaminated soil had to be removed. An independent metallurgy lab reported that the leak was probably caused by third party damage to the pipe. OSPR responders: Lt. Ernie Acosta, ES Corey Kong, and OSPS Dave Blurton.

AES/CERRITOS CHANNEL – 11/28/04

Event: equipment failure

RP: AES

Product: Over 1,000 gallons lube oil

Wildlife: unknown

A power plant in Long Beach experienced a failure resulting in a lube oil spill. The product flowed into the cooling water source for the power plant, forcing a shutdown. Initial notification stated that less than 20 gallons had been spilled. Over 1,000 gallons of product was recovered from marine waters. OSPR responder: Warden Bryan Gollhofer, ES Chris Thixton, and OSPS Ed Boyes.

SV NORDSTAR/AÑO NUEVO STATE PARK – 11/30/04

Event: sailboat grounding and breakup

Product: 200 gallons diesel

RP: Private Citizen

Wildlife: No impact found

A 41-foot sailboat ran hard aground in the rocky shoal area between Point Año Nuevo and Año Nuevo Island (San Mateo County). Before it could be re-floated, the boat broke in half, lengthwise, on the shoal. It spilled about 200 gallons of diesel, which volatilized in the surf (some evaporated, the rest dissipated). No impact to wildlife was observed. OSPR responders: Warden John Sutton and Environmental Scientist Larry Espinosa.



OSPR photo by Larry Espinosa

Above: The S/V Nordstar, on the rocks at Año Nuevo State Park



OSPR photo by Tommy Flores

TUG LOUI/SACRAMENTO – 12/27/04

Event: sinking

RP: Private Citizen

Product: diesel and lube oils

Wildlife: No impact found

A 70-foot tug converted into a pleasure craft under private ownership sank in the Port of Sacramento. It spilled between ten and 150 gallons of diesel fuel, which was quickly boomed by the West Sacramento Fire Dept. The owner did the clean-up, and there was no observable wildlife impact. OSPR responders: Warden Kyle Hiatt, ES Dave Price, OSPS Tommy Flores, and Information Officer (IO) Dana Michaels.

*RP: Responsible Party

Left: The Sunken Tug Loui, in the Port of Sacramento

Spills, from page 3



OSPR photo by Steve Hampton

Cold, oiled grebes

VENTURA OILED SEABIRDS— 1/11/05

Event: Oiled seabirds, from Santa Barbara to Ballona Creek
Product: natural seep crude oil
RP: none
Wildlife: 1,572 seabirds oiled; 1,314 died.

Grebes, loons, pelicans, and auklets contaminated with oil came ashore in the Ventura area, following record-breaking rain storms that caused mudslides and flooding throughout southern California. OSPR activated the Oiled Wildlife Care Network (OWCN) – run by the UC Davis Wildlife Health Center – which had to call on 13 of their 25 participating organizations and some 500 volunteers. During the first three days of response, over 700 live birds arrived at the Los Angeles Oiled Bird Care Center, requiring a quick expansion into the parking lot. During the next two months, oiled birds were found as far south as Marina del Rey.

Six months of investigation and analysis of dozens of oil samples from potential sources led up the Santa Clara River to Santa Paula Creek. Samples taken from a large area of natural seeps was chemically consistent with the oil taken from grebes collected in January, but did not point to a single source of oil. This may be due to the fact that floods washed away hundreds of acres in that area. The original source may have been a pocket of oil that no longer exists.

OSPR investigators found no evidence that offshore seeps or extraction operations were related to this incident. All oil production facilities in the area provided samples, and none matched the oil that incapacitated the seabirds.



OSPR photo by Ken Wilson

Natural seep oil in Ventura County

OSPR responders: Capt. Steve Edinger, Lt. Paul Hamdorf, Lt. John Fallan, Wardens Bryan Gollhofer, Mike McDermott, Sean Moe, Grant Oggle; ES Ken Wilson, Melissa Boggs, Robin Lewis, Walter Nordhausen, Chris Thixton; OSPS Ed Boyes, Dennis Chastain, James Foto, James Rolin; Chemists Marida Martin, Shane Stahl, and Susan Sugarman; IO Rob Hughes, Volunteer Coordinator Cindy Murphy, Malinda Santonil, and many others.

OSPR's Petroleum Chemistry Lab analyzed over 60 oil samples, in search of the source.

OSPR Oil Spill Prevention Specialist Ed Boyes rescues an oiled seabird in southern California.

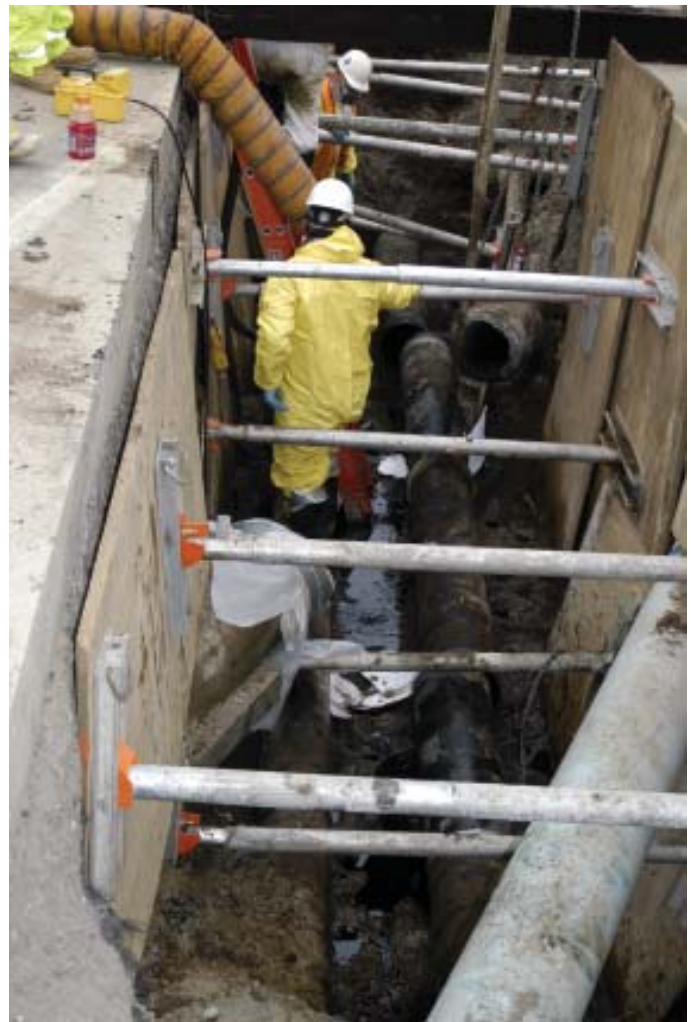
U.S. Coast Guard photo



KINDER MORGAN/OAKLAND – 2/4/05

Event: underground pipeline ruptured
Product: approximately 500 gallons jet fuel
RP: Kinder Morgan Energy Partners
Wildlife: 18 waterfowl

An oil sheen in the Oakland Estuary was traced to a leak in a Kinder Morgan pipeline that carries jet fuel from Richmond to Oakland and San Francisco International Airports. Twelve oiled coots, a pied-billed grebe, and a western gull were captured alive; four of the coots survived. One oiled horned grebe and a coot were collected dead, and the pied-billed grebe had to be euthanized. The fuel had leaked into the storm drain system under the Port of Oakland, which led to the estuary. In addition to the 500 gallons estimated to be in the waterway, another 26,000 gallons of oily water were removed from the storm drain system. OSPR responders: Lt. Brian Arnold, Warden Scott Murtha, ES Dave Price, OSPS Dave Blurton, IO Rob Hughes, and others.



OSPR photos by Dave Blurton

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OSPR scientist wins research grant

Research Program Specialist I (GIS) Judd Muskat and Dr. Jan Svejksky of Ocean Imaging Corporation have been awarded a Technology Assessment and Research Program (TARP) grant by the U.S. Minerals Management Service (MMS). The grant funds a study by Svejksky and Muskat to study “Real-Time Detection of Oil Slick Thickness Patterns with a Portable Multispectral Sensor.” This project is an extension of original research in oil slick detection that was conducted as part of the OSPR SSEP program.

This research and product development and implementation will result in readily accessible and much needed oil spill thickness mapping capabilities for the State, as well as regional oil spill response agencies throughout the world.

In this project the scientists will develop an oil slick thickness measurement algorithm; test the developed methodology using Santa Barbara Channel oil seeps as targets and simultaneous in situ boat measurements for validation; refine the slick thickness algorithm; conduct verification testing at the MMS Ohmsett test tank facility and customize the algorithm for different oil types; develop real-time analysis generating and information dissemination methodologies; and conduct a real-time operational support demonstration flight.

The initial oil slick thickness algorithms have already been developed, and crude oil samples have been received from Ohmsett. These will be used to test the equipment and algorithms at bench scale. The equipment will be tested over the Santa Barbara Channel natural oil seeps at Coal Oil Point throughout August and September of 2005. Muskat expects to complete the study in about 18 months.





Note oil on left side of the cove

USFS photo by Robert Brady

Spills, from page 5

PACIFIC PIPELINES/PYRAMID LAKE – 3/23/05

Event: pipeline break

Product: crude oil

RP: Pacific Pipelines

Wildlife: more than 15 birds oiled

A pipeline that carries crude oil from Bakersfield to Wilmington refineries ruptured in a landslide in Angeles National Forest. Approximately 126,000 gallons of crude oil flowed down Posey Canyon, under Interstate 5, and into Pyramid Lake, which is a drinking water storage reservoir for Los Angeles. The State Dept. of Water Resources stopped water outflow, as a precaution, but since drinking water is released 250 feet below the surface, it was never contaminated by the oil.

The unstable condition of the hills delayed pipeline repair. Wildlife search teams saw at least 15 oiled birds, and collected ten of them. Nine died. The US Forest Service,

which owns the lands around the lake, closed the recreation area to the public during clean-up. OSPR responders: Lt. Nathaniel Arnold, Wardens Yvette Adams, Christian Corbo, Bryan Gollhofer; ES Ken Wilson, Kathleen Jennings, Bruce Joab, Corey Kong, Chris Thixton; OSPS Dave Blurton, James Foto, Bill Scott; Liaison Officers Marian Ashe and Al Storm, IO Dana Michaels, Staff Counsels Wendy Johnson and Ryan Todd; Martin Amezcua, and others.

KINDER MORGAN/DONNER SKI ACADEMY – 4/1/05

Event: pipeline leak

Product: diesel fuel

RP: Kinder Morgan Energy Partners

Wildlife: invertebrates (to date)

The Kinder Morgan pipeline that carries gasoline, diesel and jet fuel from Concord to Reno and Fallon, Nevada, leaked diesel under the snow on Donner Summit, near the ski academy. The source of the release is a small longitudinal crack in a dent, and the amount of product lost is unknown. Creeks in the immediate area were boomed and underflow dams built, to prevent any oil from reaching Donner Lake, a source of local drinking water. Full impact to wildlife is not yet known. Dead invertebrates that smell of diesel have been collected, and biologists are performing bioassessments of the area this summer. OSPR responders: Lt. Alan Nack, ES Carol Oz, OSPS Dave Blurton, IO Rob Hughes, and others.



OSPR photo by Robert Hughes



OSPR Regulations Update

The following details several regulations that have recently been, or are currently being updated. The current approved language for the updated regulations, along with all regulations promulgated by OSPR, can be found at OSPR's Internet web-site: www.dfg.ca.gov/ospr/organizational/msb/regulations/regulations.htm

REVISED TANK VESSEL ESCORT REGULATIONS FOR LOS ANGELES/LONG BEACH HARBOR

Amendments to regulations for tank vessel escorts in Los Angeles/Long Beach Harbor were needed to implement work hour, manning and training requirements for tug escort crews performing the required escort and assist operations. These changes enhance safety for the individuals involved in tug escorting, and improve the efficiency of tug escort operations. These amendments were approved by the Office of Administrative Law (OAL) and became effective on October 27, 2004. The specific changes include the following:

- ◆ A reference to federal requirements regarding hours of work for tug escort crews has been added. "Working hours" and "hours of rest" are clarified to facilitate compliance with the requirements. Long hours on duty can lead to fatigue, which impairs judgment and quick response actions. These amendments are necessary to reduce the chance of fatigue-induced human error during an escort operation.
- ◆ The number, make-up, and level of readiness of the escort tug crewmembers have been specified. This will ensure that, during an escort transit, there will be a sufficient number of line-handling crew to respond in an emergency, as well as crew to operate the vessel and monitor the engine room.
- ◆ Language has been added to require specific elements in a training and education program for both tug masters and crew. Specifying the types and frequency of the required training is necessary to assure that the tug escort crews can fulfill their role safely and effectively. Comparable training required by the U.S. Coast Guard can be used to satisfy specific training elements. Language has been added to specify how companies can demonstrate compliance with the required training elements.
- ◆ The Administrator is granted authority to review the equipment and crew on an escort tug at any time, to assure compliance with the manning, work hours, and training requirements.

by Joy Lavin-Jones, Regulations Writer

REVISED TANK VESSEL ESCORT REGULATIONS FOR PORT HUENEME HARBOR

Amendments to the Port Hueneme Tank Vessel Escort regulations made non-regulatory clarifying changes, deleted old date references, and made changes to provide consistency with the administrative civil actions of the other tug escort requirements in California.

The Notice of Proposed Rulemaking was mailed in September 2004, with the end of the public comment period on October 26, 2004. OAL approved the amendments and they went into effect on January 20, 2005.

REVISED REGULATIONS FOR HARBOR SAFETY COMMITTEES AND HARBOR SAFETY PLANS

Amendments were made to implement the provisions of SB 1742 (Chapter 796, Statutes of 2004), which outline generic harbor safety committee positions throughout the state, and allow additional, harbor-specific positions to be identified in regulation. These harbor-specific positions were developed in consultation with the applicable harbor safety committees already established.

The Notice of Proposed Rulemaking was mailed in October 2004, with the end of the public comment period on November 30, 2004. OAL approved the amendments and they went into effect on February 9, 2005.

REVISED NON-TANK VESSEL CONTINGENCY PLANS REGULATIONS (NON-SUBSTANTIVE)

Regulatory amendments were made to implement the provisions of SB 1742 (Chapter 796, Statutes of 2004) which, among other things, removed a reference to allowing "...evidence of a contract with The Pacific Merchant Shipping Association, a nonprofit corporation, or other nonprofit maritime association, to provide a statewide oil spill response plan..." The Non-tank Vessel Contingency Plan regulations were amended to remove references to "non-profit maritime associations" and "Maritime Association Response Plan" (MARF, which is the statewide oil spill response plan that was offered by the Pacific Merchant Shipping Association). These changes were approved by OAL and went into effect on March 30, 2005.

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REVISED TANK VESSEL ESCORT PROGRAM FOR LOS ANGELES/LONG BEACH HARBOR

These amendments allow up to a one-year extension, for showing of good cause, to the date of the recertification of a tug's bollard pull. The only location in the Los Angeles/Long Beach area that allowed the bollard pull test to be conducted closed at the end of March 2005. The administrator has established the Escort Tug Action Team (ETAT), consisting of Harbor Safety Committee Tug representatives and an American Waterways Operators (AWO) representative to address options for escort tugs to maintain their bollard pull certificates throughout California. The ETAT will make their recommendations to both the Administrator and their respective harbor safety committees.

The Notice of Proposed Rulemaking was mailed in February 2005, with the end of the public comment

period on April 11, 2005. OAL approved the amendments and they went into effect on April 25, 2005.

REVISED ESCORT TUG REGULATIONS FOR SAN DIEGO HARBOR

Amendments to the Escort Tug Regulations for San Diego Harbor made non-regulatory clarifying changes, deleted old date references, reiterated compliance with the International Convention of Standards of Training, Certification, and Watchkeeping for Seafarers (STCW) requirements in territorial waters, and allowed a building certificate to be used to document a tug vessel's bollard pull.

The Notice of Proposed Rulemaking was mailed in December 2004, with the end of the public comment period on January 31, 2005. OAL approved the amendments and they went into effect on April 29, 2005.



Report oil and hazardous material spills by calling 800-OILS-911.

MSB Chief appointed to national post

Ted Mar, OSPR's Marine Safety Branch Chief, has been appointed to a four-year term on the National Maritime Security Advisory Committee. The announcement was made by then-U.S. Department of Homeland Security Secretary Tom Ridge.

The National Maritime Security Advisory Committee was mandated by the Maritime Transportation Security Act of 2002 (MTSA). That legislation was developed to protect the nation's ports and waterways from possible future terrorist attacks.

Mar's principal responsibility will be to advise, consult with and make recommendations to the Department of Homeland Security, via the Commandant of the Coast Guard, on matters related to national maritime security.

Secretary Ridge noted that "the Department will benefit from your expertise and years of experience."

Mar is a graduate of the U.S. Coast Guard Academy and retired from the Coast Guard after an extensive career of both afloat and shore assignments in marine environmental protection and response; and maritime operations, security and safety.

Some of his security-related assignments include attachment to the Port Safety and Security Station Los Angeles-Long Beach, the 1984 Los Angeles Olympics Security Detail, and serving as the Alternate Captain of the Port and Officer in Charge of Marine Inspections for San Francisco Bay.



OSPR photo by Robert Hughes

While working for the State, Mar has served as the Northern California Field Office Supervisor for the Marine Facilities Division of the State Lands Commission and, in his present capacity, oversees the five State-sponsored Harbor Safety Committees.



Inside OSPR

Promotions & Changes

LISA CURTIS, DEPUTY ADMINISTRATOR



Fish and Game Director Ryan Broddrick with Lisa Curtis

Career Department of Fish and Game enforcement officer Lisa Curtis has moved to the executive suite. Governor Schwarzenegger appointed her Deputy Administrator last November. She has worked her way up through the DFG law enforcement ranks since 1987.

Prior to this appointment, Curtis was Chief of the OSPR Enforcement Branch, where she oversaw the Department's statewide pollution response and law enforcement efforts for three years. She served in different management capacities with the DFG from 1997 to 2001, in which she managed sport and commercial fishing law enforcement, public outreach, and hunter education in southern California. From 1991-1996, she was the State's incident commander (IC) at moderate and large marine oil spill responses.

In 1993 Lisa worked directly with the U.S. Coast Guard's Eleventh District in a one-year assignment, where she developed the protocols to implement a major memorandum of agreement.

Curtis was one of the founding members of the Standardized Oil Spill Response Management

System (STORMS) task force that created and produced a spill response field operations guide (FOG) in 1995. The FOG is still used by federal, state, and local government agencies, and oil industry personnel.

Lisa holds a Bachelor of Science (B.S.) degree in criminal justice and a Master of Arts in organizational management. She is a recent graduate of the prestigious F.B.I. National Academy.

STEVE EDINGER, ASSISTANT CHIEF OF ENFORCEMENT

Captain Steve Edinger was promoted to Fish and Game Assistant Chief on May 1, 2005. He began his career with the Department in 1992, as a warden, after eight years' work as a California State Park Ranger and three years as a National Park Service Ranger. From 1992-97, he was a boarding officer on the DFG patrol boat *Broadbill*, out of Humboldt Bay.

In 1997, Edinger became OSPR's Southern California Patrol Lieutenant. Three years later, he was promoted to Captain. He was the State IC at the Torch/Platform Irene spill in 1997, and at this past winter's Ventura Oiled Bird Incident (see story, page 4). While on loan from OSPR to the DFG Enforcement Branch – South Coast Region, he was State IC during response to the January 2004 mountain lion attacks in Orange county.

Outside of civil service, Steve founded and operated ArchRock Software, a database development company specializing in applications for museums and historical organizations.

He earned his B.S. in Environmental Planning from the University of California, Davis. Steve is a fly fisherman, golfer, and is looking forward to living in the Sierra Nevada foothills with his wife and three children.



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KATHLEEN JENNINGS, STAFF ENVIRONMENTAL SCIENTIST

As a result of Carl Jochums' move (next item), Kathleen Jennings, Ph.D., has been promoted to staff environmental scientist for the northern field response team.

A member of that team since 2001, Kathleen has responded to numerous incidents, including recent spills at Suisun Marsh, Pyramid Lake and Donner Summit. She serves on the local Area Contingency Planning Committee, and provides regulatory oversight for restoration efforts funded by OSPR at McNabney Marsh (formerly Shell Marsh) in Martinez.

Prior to joining OSPR, Dr. Jennings taught environmental science at the University of San Francisco, where she continues to teach (part-time) in the graduate program. Before academia, she was an environmental consultant, conducting human health and ecological risk assessments for hazardous waste sites.

Kathleen earned her doctorate in wild land resource science (emphasis on wildlife ecology) from UC Berkeley, a Master of Science (M.S.) in environmental management, and B.S. in biology and theology from the University of San Francisco. She is also knowledgeable in geographic information systems (GIS).

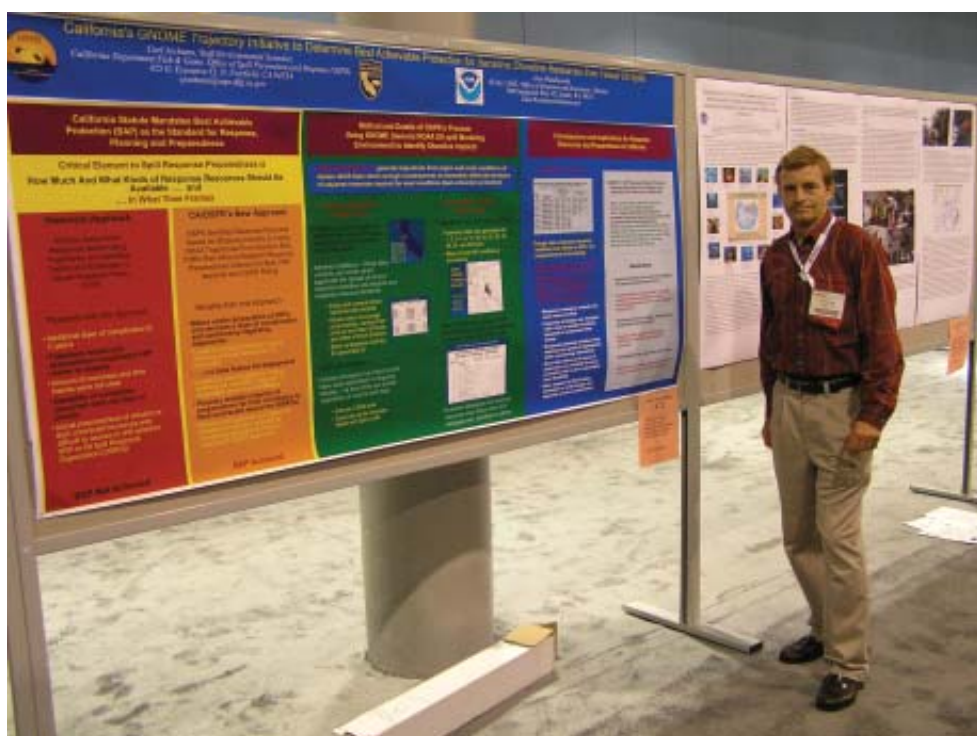
Raising her two teenaged boys, she enjoys bird watching and fishing, and volunteers as a wildlife rehabilitator for a local wildlife hospital. For the last five years, she has served on Contra Costa County's Fish and Wildlife Committee.



CARL JOCHUMS, ENVIRONMENTAL SCIENTIST

Carl Jochums recently transferred from our Scientific Branch's field staff – where he started in the San Francisco office in 1993 – to Scientific support staff. He had previously worked as a water quality biologist in DFG's Sacramento Valley and Central Sierra Region, and as a Fish and Game Warden in the Delta and Suisun Bay portion of Contra Costa County. He has also worked as field staff for the San Francisco Regional Water Quality Control Board, and did riparian assessments for the U.S. Forest Service.

Immediately prior to coming to OSPR, Carl worked in the private sector for two start-up enterprises. He co-founded a membrane separa-



tions company that produces concentration services, water purifications systems and wastewater treatment, and he holds two related patents. He was also managing partner in a database company which produced purchase optimization software for electrical contractors.

Carl earned a Bachelor of Arts (B.A.) degree in zoology from The University of Illinois, and a M.S. in ecology from the University of California, Davis. He took additional graduate studies in community/evolutionary ecology and environmental statistics at Oregon State University, and published a scientific paper in economic entomology.

While at OSPR, he has presented three papers at the International Oil Spill Conferences and developed the SISRS (Site Information and Spill Response Strategy) database.



KIM MCCLENEGHAN, ENVIRONMENTAL PROGRAM MANAGER

Kim McCleneghan, Ph.D., has been promoted to environmental program manager I (EPM I) in OSPR's Scientific Branch. As an EPM I, he will supervise the Response Support Program (RSP) at OSPR headquarters. The RSP includes geographic information systems, wildlife operations, alternative response strategies, industrial hygiene, inland pollution response, and the ballast water invasive species program.

Dr. McCleneghan brings extensive biological knowledge and spill response expertise to this program. He has worked on all of California's biggest spills in recent years — from the 1969 Unocal/Santa Barbara platform blow-out to removal of oil from the sunken wreck of the *SS Jacob Luckenbach* in the Gulf of the Farallones in 2002, to the Kinder Morgan/Suisun Marsh

pipeline spill in 2004. He also worked the 1989 Exxon Valdez spill in Alaska.

Kim's career with the Department has spanned more than 32 years, nearly all of it working on pollution response and cleanup. After witnessing first-hand the environmental destructiveness of the Alaska oil spill, he co-authored a budget change proposal in 1989 that first proposed an OSPR-like organization within DFG. He was one of the first OSPR employees, and was instrumental in organizing the new division in 1990. For the past 14 years he's been a senior environmental scientist, and our lead responder to inland spills.

Dr. McCleneghan earned his B.S. in zoology and physiology at the University of Nebraska, and his M.S. and doctorate in biology at the University of Southern California. His spill response experience will be invaluable in his new role as manager of the Response Support Program.

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OSPR staff participate in State Scientists Day at Capitol Park, to share their enthusiasm for science with kids, and show them how scientific study benefits Californians. The annual event is sponsored by the California Assn. of Professional Scientists.

At right:
Megan Walton, Judd Muskat, Mark Lampinen, DFG Director Ryan Broddrick (with a student), Cindy Murphy, and Dan Blankenship.



DFG photo by Debra Hamilton



Warden Sean Moe



ES Kathleen Jennings



ES Walter Nordhausen



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Arrivals

DAN BLANKENSHIP, STAFF ENVIRONMENTAL SCIENTIST

Veteran “Fish-&-Gamer” Dan Blankenship is a restoration biologist in OSPR’s Natural Resource Damage Assessment (NRDA) unit. He transferred in April, from DFG’s Habitat Conservation Planning Branch, where he was a senior biologist specialist (wildlife) in the Species Conservation and Recovery Unit. He is currently working on small spill restoration projects.

Dan started his 14-year DFG career as a wildlife biologist in the upland game program. Before that, he worked on habitat restoration projects for five years with California State Parks, as a resource ecologist. He earned a Bachelor of Science in wildlife management from Humboldt State University and looks forward to working on habitat restoration projects.

CARLOS FONSECA, OIL SPILL PREVENTION SPECIALIST

Oil Spill Prevention Specialist Carlos Fonseca joined OSPR’s Marine Safety Branch (MSB) Readiness Unit in November 2004. Here, he reviews oil spill contingency plans and revisions, and conducts unannounced emergency notification drills on vessels and marine facilities in ports up and down the state.

Carlos brings a wealth of experience to OSPR, including 20 years of work for Shell Oil Company. He is a Viet Nam-era veteran, and has completed two years of college studies.





ROBERT FORD, SR. INDUSTRIAL HYGIENIST

Certified Industrial Hygienist Bob Ford joined OSPR's Health and Safety Unit this spring. He is providing industrial hygiene support and training to DFG-OSPR personnel, and serves as a Safety Officer at spill responses.

Bob's past experience includes nine years at the State Department of Justice Bureau of Narcotic Enforcement, where he was in charge of health and safety for the Clandestine Laboratory Enforcement Program. He was responsible for site safety at drug lab busts, as well as safety and HAZWOPER training for law enforcement personnel.

Prior to working for DOJ, he was an industrial hygienist and environmental scientist with the State Water Resources Control Board's Division of Water Quality. He started his career as a civilian biologist and industrial hygienist at McClellan Air Force Base. He earned his B.S. in environmental biology from California State University, Sacramento.

STEVE FOSS, ENVIRONMENTAL SCIENTIST

Steve Foss began working in OSPR's ballast water program in November 2004. He oversees a statewide database of non-indigenous aquatic organisms and participates in field surveys in estuaries and the outer coast. Steve earned a Bachelor of Science degree from California State University, Sacramento in natural resource conservation biology, and a Bachelor of Arts in psychology from the University of Minnesota.

Steve came to work for the Dept. of Fish and Game in 1989 as a scientific aid for the adult striped bass project. After working on several projects at DFG's Sacramento Valley and Central Sierra Region, Steve became a biologist at the Central Valley Bay Delta Branch in Stockton, working in the young fish investigations unit. Steve became an expert on young striped bass, published numerous articles, and presented a paper at a national fisheries conference.

After promotion to Associate Biologist in 1999, Steve managed data on fish entrained and salvaged at the State Water Project and Central Valley Project's fish facilities, the largest historical database on Delta fish species.

Steve lives in Wilton with his wife, Andrea. When he's not tracking down introduced species, Steve enjoys gardening, golfing, wine tasting, exploring tide pools, and hunting.



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CRAIG HAFFNER, ENVIRONMENTAL SCIENTIST

Craig Haffner joined OSPR as an environmental scientist on February 14, 2005. Based in the Fairfield office, he is part of the Northern California Field Response Team, in which he works on spill response, northern California Area Contingency Plan (ACP) updates, and northern California's Coastal Access Program.

Craig came to OSPR from the Suisun Resource Conservation District (SRCD), where he worked as a biologist for three-and-a-half years. There, he helped local landowners enhance their property's wildlife value, reviewed environmental documents, administered grant programs, and worked with state and federal agencies on various permitting issues.

Craig earned his B.S. in wildlife from Humboldt State University in 1999. After graduation, he worked as a scientific aid for DFG in Paso Robles and at the Grizzly Island Wildlife Area. Later, he was a field technician with the California Waterfowl Association, conducting waterfowl nest searching and banding activities.



In his free time Craig enjoys diving, playing softball, hunting deer and waterfowl, and spending time with friends and family.

JANNA HERREN, STAFF ENVIRONMENTAL SCIENTIST

Janna Herren began working for DFG in 1986 as a scientific aid, conducting pesticide analyses at the Water Pollution Control Lab. She also worked in a wild trout program and conducted bioassays for hazardous waste classification while pursuing her B.S. in biological conservation, with a minor in chemistry, at California State University Sacramento.

After working a few years for the California Environmental Laboratory Certification Program, certifying environmental laboratories for chemical, microbiological, and bioassay testing, Janna returned to work in DFG's fish screen and fish passage program. In 1999, she transferred to the Sacramento Valley and Central Sierra Region, as a water quality biologist to do inland spill response.

There, Janna investigated and analyzed environmental issues related to spills of oil, hazardous and deleterious materials and non-point source pollution. She coordinated spill response and cleanup, provided technical support, and negotiated mitigation agreements for remediation and restoration at sites damaged by pollution. She also investigated water quality and aquatic habitat problems associated with human activities such as water project operations, municipal industrial discharges, highway construction, mining, agricultural and livestock operations.

Janna is now an OSPR Staff Environmental Scientist and is responsible for or assists with spill response and cleanup techniques (operations), monitoring and sampling (planning), and coordinating recovery and restoration for NRDA on inland spills statewide.



BECKYE STANTON, ASSOCIATE TOXICOLOGIST

Becky J. Stanton, Ph.D., joined OSPR in November 2004 as an associate toxicologist in the BRAC (base realignment and closure)/CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act.) unit. She works with the U.S. Department of Defense and other agencies to achieve adequate site characterization and remediation of military sites, to protect fish and wildlife. She has previously worked on military base cleanups and did natural resource damage assessments (NRDA) at private sites, while working in the Environmental Contaminants Division of the U.S. Fish and Wildlife Service in Sacramento.

Dr. Stanton (right) earned her B.S. in biology from Calvin College, Michigan in 1996, and a Ph.D. in toxicology from UC Davis in 2002. She is a 10-year resident of Davis where she enjoys bicycle commuting, gardening, soccer, indoor rock climbing, and Irish dancing.



Departures**LAVERNE JOSEY,
OIL SPILL PREVENTION SPECIALIST**

San Diego-based oil spill prevention specialist (OSPS) Laverne Josey retired, last fall. Verne was OSPR's very first OSPS when he transferred from the State Lands Commission in 1993. At that time, the position was called

a Marine Terminal Safety Inspector, which he had been since 1991. He brought extensive maritime knowledge and experience gained during a 21-year U.S. Navy career, from which he retired as a Lieutenant in 1977.

As an OSPS, Verne monitored bunkering and lightering oil transfer operations throughout the state, inspected and monitored activities at small marine fueling facilities, conducted drills, and was a first responder to oil, chemical, and hazmat spills.

Verne is well known and respected along the southern California coast as an honest, caring expert in the field. His leadership ability, management style, and knowledge of the marine industry helped establish OSPR's reputation as a world leader in oil spill prevention and response. His management expertise came as no surprise; he held a B.A. in business management and a Master of Personnel Administration degree.

His familiarity with Navy and Coast Guard regulations and procedures, and his participation in the San Diego Harbor community of government and professional organizations have greatly supported our core mission to protect wildlife and habitat.

As a member of OSPR's southern field response team, Verne had to respond to spill reports at a moment's notice, day or night. He often anticipated potential problems and sought resolution before they became critical issues, and he went out of his way to find solutions to the many issues that confronted him.

He helped solve regional environmental problems by bringing a variety of government and non-government organizations to the table with industry in the San Diego area. Verne has been an outstanding representative of OSPR, and he is missed by his colleagues.



Significant Spills Since OSPR's Inception

<u>Date</u>	<u>Location</u>	<u>Source</u>	<u>Product(s)</u>	<u>Estimated Barrels</u>
4/1/05	Donner Summit	Kinder Morgan pipeline	fuel oils	unknown
3/23/05	Pyramid Lake	Pacific Energy pipeline	crude oil	3,000
4/17/04	Suisun Marsh	Kinder Morgan pipeline	diesel fuel	>2,023
11/24/01	Bolinas to Carmel	SS Jacob Luckenbach	bunker fuel	unknown
12/30/00	E. Walker River	tank truck accident	#6 fuel oil	86
2/28/00	Ventura County	tank truck accident	crude oil	143
9/6/99	Eureka	M/V Stuyvesant	bunker fuel	48
11/10/98	Port of Long Beach	M/T Neapolis	crude oil	150
9/26/98	Half Moon Bay	M/V Command	bunker fuel	72
2/14/98	Ventura	Texaco pipeline	crude oil	200
1/24/98	Bardsdale	Torch pipeline	crude oil	500
11/5/97	Eureka	M/V Kure	bunker fuel	108
3/1/97	Donner Summit	SFPD pipeline	gas, diesel, jet	unknown
2/26/97	Norden	UPRR transfer pipe	red diesel	405
10/28/96	San Francisco	Cape Mohican	bunker fuel	200
3/11/95	Arroyo Passejero	Chevron pipeline	crude oil	6,000
12/94	San Diego River	fuel transfer line	jet aviation fuel	1,000
10/94	Guadalupe Bch.	Unocal pipelines	diluent	120,000-476,000
1/27/94	Martinez	Shell pipeline	diesel fuel	1,200
1/94	Santa Clara River	ARCO pipeline	crude oil	4,607
12/25/93	McGrath Lake	Berry Petroleum pipeline	crude oil	2,000
4/93	Grapevine Creek	ARCO pipeline	crude oil	6,200
1992	Avila Beach	Unocal tank Farm	crude oil	2,100
3/91	El Segundo	Chevron pipeline	crude oil	238
1/31/01	Santa Clara River	Mobil pipeline	crude oil	1,000
1/8/91	Los Angeles Harbor	M/V Sammi Superstar	bunker fuel	308

Alternate communication format is available upon request. If reasonable accommodation is needed call Mr. Robert Hughes at 916-445-9338, or the California Relay (Telephone) Service for the deaf or hearing-impaired from TDD phones at 800-735-2929.

Office of Spill Prevention and Response

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